



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,757	12/03/2003	John A. Helgenberg	TN324	7619
7590	10/05/2005		EXAMINER	LEVI, DAMEON E
Unisys Corporation Attn: Lise A. Rode Unisys Way, MS/E8-114 Blue Bell, PA 19424-0001			ART UNIT	PAPER NUMBER
			2841	

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

APC

Office Action Summary	Application No.	Applicant(s)
	10/727,757	HELGENBERG ET AL.
	Examiner Dameon E. Levi	Art Unit 2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 07/20/2005(Amendment).
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-4 and 6-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-4 and 6-23 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 03 December 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1-4, and 6-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boulay et al US Patent 5204496 in view Lange, Sr. et al US Patent 5354951

Regarding claim 1, Boulay et al discloses a system comprising:

an electronic assembly having an enclosure(for example, see elements 10, 12, Fig 1), a first access opening(for example, see first element 20, Fig 1) defined by said enclosure, and a second access opening(for example, see second element 20, Fig 1) defined by said enclosure;

a device(for example, see element 46, Fig 1) coupled to said electronic assembly via said first access opening; and

a shield(for example, see first element 22, Fig 1-7, element 122, Fig 8) coupled to said electronic assembly and positioned to cover said second access opening defined by said enclosure.

Boulay does not expressly disclose wherein the shield includes a cover portion and a plurality of extensions adjacent the cover portion, the extensions together at least

partially defining a channel extending along at least a portion of the cover portion, the channel having substantially parallel boundaries, the channel being configured to receive a portion of the enclosure such that, when engaged, the cover portion inhibits electromagnetic interference emissions from the enclosure.

Lange, Sr. et al discloses an assembly wherein a shield includes a cover portion(for example, see element 18, Figs 1-7) and a plurality of extensions adjacent the cover portion(for example, see elements 24,26,18, Figs 1-7), the extensions together at least partially defining a channel extending along at least a portion of the cover portion(for example, see element 30, Figs 1-7), the channel having substantially parallel boundaries, the channel being configured to receive a portion of the enclosure such that, when engaged, the cover portion inhibits electromagnetic interference emissions from the enclosure(for example, see Figs 1-7).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a cover portion with extensions defining a channel as taught by Lange, Sr. et al in the Assembly as taught by Boulay for the purpose of providing an effective and removable electromagnetic shielding enclosure.

Regarding claim 2, Boulay et al discloses wherein said first and second access openings are defined along a common surface of the enclosure(for example, see elements 20, Fig 1).

Regarding claim 4, Boulay et al discloses wherein said electronic assembly is an interconnect configured to receive said device, said interconnect having a connector

assembly routed between said first and second access openings(for example, see elements 10, 46, 21 Figs 1,2).

Regarding claim 6, Boulay et al discloses wherein said plurality of extensions comprises :

a first slide rail(for example, see element 30, Figs 1-7,); and
a second slide rail (for example, see element 32, Figs 1-7,); spaced from said first slide rail and substantially parallel to said first slide rail to define said channel therebetween(for example, see element 34,Figs 6 and 7,).

Regarding claim 7, Boulay et al discloses wherein said plurality of extensions comprises :

a first plurality of substantially aligned detents(for example, see element 32, Figs 1-7,); positioned along a first axis; and a second plurality of substantially aligned detents (for example, see element 32, Figs 1-7,); spaced from the first plurality of substantially aligned detents and positioned along a second axis substantially parallel to the first axis to define said channel there between(for example, see element 34,Figs 6 and 7,).

Regarding claim 8, Boulay et al discloses wherein said plurality of extensions are coupled to said cover portion(for example, see element 32, Figs 1-7).

Regarding claim 9, Boulay et al discloses wherein said plurality of extensions extend from said cover portion(for example, see element 32, Figs 1-7).

Regarding claim 10, Boulay et al discloses further comprising:

a fastener coupled to the cover portion to secure the cover portion to the enclosure (for example, see element 36, Figs 1-7).

Regarding claim 11, Boulay et al discloses an outer cover portion (for example, see element 54, Figs 1-7) spaced from and substantially parallel to said cover portion, said outer cover portion and said cover portion together defining a space there between.

Regarding claim 12, Boulay et al discloses a shield comprising:

a cover portion(for example, see element 22, Figs 1-7, 122, Fig 8);

Boulay does not expressly disclose a plurality of extensions adjacent said cover portion(for example, see elements 24,26,18, Figs 1-7), said extensions together at least partially defining a channel extending along at least a portion of said cover portion, said channel having substantially parallel boundaries, said channel being configured to received a portion of the enclosure and to slidably engage the enclosure such that, when engaged, said cover portion inhibits electromagnetic interference emissions from the enclosure.

Lange Sr. et al discloses an assembly with a plurality of extensions adjacent said cover portion, said extensions together at least partially defining a channel extending along at least a portion of said cover portion, said channel having substantially parallel boundaries(for example, see element 30, Figs 1-7),, said channel being configured to received a portion of the enclosure and to slidably engage the enclosure such that, when engaged, said cover portion inhibits electromagnetic interference emissions from the enclosure(for example, see Figs 1-7).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a cover portion with extensions defining a channel

as taught by Lange, Sr. et al in the Assembly as taught by Boulay for the purpose of providing an effective and removable electromagnetic shielding enclosure.

Regarding claim 13, Boulay et al discloses wherein said plurality of extensions comprises :

a first slide rail(for example, see element 30, Figs 1-7,); and a second slide rail (for example, see element 32, Figs 1-7,); spaced from said first slide rail and substantially parallel to said first slide rail to define said channel therebetween(for example, see element 34,Figs 6 and 7,).

Regarding claim 14, Boulay et al discloses wherein said plurality of extensions comprises :

a first plurality of substantially aligned detents(for example, see element 32, Figs 1-7,); positioned along a first axis; and a second plurality of substantially aligned detents (for example, see element 32, Figs 1-7,); spaced from the first plurality of substantially aligned detents and positioned along a second axis substantially parallel to the first axis to define said channel there between(for example, see element 34,Figs 6 and 7,).

Regarding claim 15, Boulay et al discloses wherein said plurality of extensions are coupled to said cover portion(for example, see element 32, Figs 1-7).

Regarding claim 16, Boulay et al discloses wherein said plurality of extensions extend from said cover portion(for example, see element 32, Figs 1-7).

Regarding claim 17, Boulay et al discloses further comprising:

a fastener coupled to the cover portion to secure the cover portion to the enclosure (for example, see element 36, Figs 1-7).

Regarding claim 18, Boulay et al discloses an outer cover portion (for example, see element 54, Figs 1-7) spaced from and substantially parallel to said cover portion, said outer cover portion and said cover portion together defining a space there between.

Regarding claim 21, Boulay discloses wherein the shield is rigid(for example, see elements 20).

Regarding claim 22, Boulay discloses wherein the shield is rigid (for example, see first element 22, Fig 1-7, element 122, Fig 8) .

Regarding claims 19 ,20 and 23, the methods disclosed therein are deemed as being inherent in the assembly and operation of the claimed apparatus since the elements of the claimed invention are taught or suggested in the prior art of record (Boulay et al, Lange Sr. et al, Miller).

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Boulay et al US Patent 5204496 in view Lange, Sr. et al US Patent 5354951 and further in view of Miller US Statutory Invention Registration H526.

Regarding claim 3, Boulay et al and Lange, Sr. et al disclose the instant claimed invention except wherein said first and second access openings are defined along different surfaces of the enclosure.

Miller discloses an assembly enclosure wherein said first and second access openings are defined along different surfaces of the enclosure(for example see top and side openings corresponding to elements 114, 112, Fig 1).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have defined access openings in different surfaces of the

enclosure as taught by Miller in the assembly as taught by Boulay et al and Lange, Sr. et al for the purpose of facilitating ease of access to the components housed therein.

Response to Arguments

Applicant's arguments with respect to claims 1-4, 6-23 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E. Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dameon E Levi
Examiner
Art Unit 2841

DEL



K Cuneo
SPE 2841